

AMENDMENTS TO THE CLAIMS

1.-10. (Cancelled)

11. (Currently amended) A method of producing an article comprising the steps of applying a smooth highly reflective layer to a substrate, said reflective layer having a reflectivity of at least 60 gloss units, and printing a raised printed image on the reflective layer, at least part of said raised printed image having a height of at least 10 μm and being printed using a transparent or translucent ink having properties which render ~~low chroma and low brightness values such that~~ the raised printed image ~~[[is]]~~ substantially transparent or translucent while causing scattering of the light reflectance and transmittance such that the ink reflects light in at least a partially specular manner, wherein the raised printed image is visible at angles within a window of high reflection and substantially non-detectable outside the window, and the ink has a haze value of about 60 to 98.

12. (Currently amended) The method of claim 11, wherein the ink has ~~a haze value of about 60 to 98 as measured on an XL Hazegard haze measuring instrument~~ and an ink thickness of about 15 microns.

13.-14. (Cancelled)

15. (Currently amended) The method of claim 11, wherein the haze value is about 85 to 95 as measured on an XL 211 Hazegard haze measuring instrument.

16. (Previously presented) The method of claim 11, wherein the smooth highly reflective layer is applied by a printing process.

17. (Previously presented) The method of claim 16, wherein the smooth highly reflective layer is applied to a specific region of the substrate and the method further comprises printing a remaining portion of the substrate by the same printing process as used to print the smooth highly reflective layer.

18. (Previously presented) The method of claim 16, wherein the reflective layer is 3 microns thick.

19. (Previously presented) The method of claim 11, wherein the smooth highly reflective layer is reflective foil applied to the substrate.

20. (Previously presented) The method of claim 16, wherein the substrate is a smooth surfaced polymer film.

21. (Previously presented) The method of claim 11, wherein the raised printed image is a pattern of raised dots.

22. (Previously presented) The method of claim 21, wherein the pattern of raised dots is a regular array of spaced dots.

23. (Previously presented) The method of claim 22, wherein the reflective substrate bears non-reflective indicia.

24. (Previously presented) The method of claim 23, wherein the ratio of the pitch of the dots to the pitch of the indicia is in the range of about 1:5 to about 1:2.

25. (Previously presented) The method of claim 11, wherein the raised printed image is a pattern of lines.

26. (Previously presented) The method of claim 25, wherein the pattern of lines is a series of regularly spaced substantially parallel lines.

27. (Previously presented) The method of claim 26, wherein the reflective substrate bears non-reflective indicia.

28. (Previously presented) The method of claim 27, wherein the ratio of the pitch of the lines to the pitch of the indicia is in the range of about 1:5 to about 1:2.

29. (Previously presented) The method claimed in claim 11, wherein the article is selected from the group consisting of passports, bonds, banknotes, security passes and security devices.

30.-45. (Cancelled)

46. (Previously presented) An article comprising a substrate, a smooth highly reflective layer applied to said substrate and having a reflectivity of at least 60 gloss units, and a raised print image on said reflective layer, at least part of said raised print image having a height of at least 10 microns, said raised print image formed by a transparent or translucent ink having properties which render the raised print image transparent or translucent while causing scattering of the light reflectance and transmittance such that the ink reflects light in a partially specular manner, wherein the raised print image is visible at angles within a window of high reflection and substantially non-detectable outside the window, wherein the transparent or translucent ink contains less than 2% pigment by weight.

47. (Previously presented) An article as claimed in claim 46, wherein the ink has a haze value in the range of about 60 to 98, as measured on an XL 211 Hazegard haze measuring instrument and an ink thickness of about 15 microns.

48. (Previously presented) An article as claimed in claim 47 wherein the haze value is about 85 to 95.

49. (Previously presented) An article as claimed in claim 46 wherein the smooth highly reflective layer is a print layer.

50. (Previously presented) An article as claimed in claim 49, wherein the smooth highly reflective layer is applied to a specific region of the substrate and a remaining portion of the substrate has printing applied by the same process as the smooth highly reflective layer.

51. (Previously presented) An article as claimed in claim 46, wherein the reflective layer is about 3 microns thick.

52. (Previously presented) An article as claimed in claim 46, wherein the smooth highly reflective layer comprises a reflective foil applied to the substrate.

53. (Previously presented) An article as claimed in claim 46 wherein the substrate is a smooth surfaced polymer film.

54. (Previously presented) An article as claimed in claim 46, wherein the transparent or translucent ink contains less than 2% pigment by weight.

55. (Previously presented) An article as claimed in claim 46, wherein the raised printed image is a pattern of raised dots.

56. (Previously presented) An article as claimed in claim 55, wherein the pattern of raised dots is a regular array of spaced dots.

57. (Previously presented) An article as claimed in claim 56, wherein the reflective substrate bears non-reflective indicia.

58. (Previously presented) An article as claimed in claim 57, wherein the ratio of the pitch of the dots to the pitch of the indicia is in the range of about 1:5 to about 1:2.

59. (Previously presented) An article as claimed in claim 46, wherein the raised printed image is a pattern of lines.

60. (Previously presented) An article as claimed in claim 59, wherein the pattern of lines is a series of regularly spaced substantially parallel lines.

61. (Previously presented) An article as claimed in claim 60 wherein the reflective substrate bears non-reflective indicia.

62. (Previously presented) An article as claimed in claim 61, wherein the ratio of the pitch of the lines to the pitch of the indicia is in the range of about 1:5 to about 1:2.

63. (Previously presented) An article as claimed in claim 46, wherein the article is selected from, the group consisting of passports, bonds, banknotes, security passes and security devices.

64. (Previously presented) An article comprising a substrate, a smooth highly reflective layer applied to said substrate and having a reflectivity of at least 60 gloss units, and a

raised print image on said reflective layer, at least part of said raised print image having a height of at least 10 microns, said raised print image formed by transparent or translucent ink having properties which render the raised print image transparent or translucent while causing scattering of the light reflectance and transmittance such that the ink reflects light in a partially specular manner, wherein the raised print image is visible at angles within a window of high reflection and substantially non-detectable outside the window, wherein the ink has a haze value in the range of about 60 to 98.

65. (Previously presented) An article as claimed in claim 64, wherein the ink has an ink thickness of about 15 microns.

66. (Previously presented) An article as claimed in claim 64, wherein the haze value is about 85-95 as measured on an XL 211 Hazegard haze measuring instrument.

67. (Previously presented) An article as claimed in claim 64, wherein the smooth highly reflective layer is a print layer.

68. (Previously presented) An article as claimed in claim 67, wherein the smooth highly reflective layer is applied to a specific region of the substrate and a remaining portion of the substrate has printing applied by the same process as the smooth highly reflective layer.

69. (Previously presented) An article as claimed in claim 64, wherein the reflective layer is about 3 microns thick.

70. (Previously presented) An article as claimed in claim 64, wherein the smooth highly reflective layer comprises a reflective foil applied to the substrate.

71. (Currently amended) An article as claimed in claim ~~[[1]]~~ 64, wherein the substrate is a smooth surfaced polymer film.

72. (Previously presented) An article as claimed in claim 64 wherein the ink contains less than 2% pigment by weight.

73. (Previously presented) An article as claimed in claim 64, wherein the smooth highly reflective layer is a print layer.

74. (Previously presented) An article as claimed in claim 65, wherein the raised print image is a pattern of dots.

75. (Previously presented) An article as claimed in claim 66, wherein the pattern of dots is a regular array of spaced dots.

76. (Previously presented) An article as claimed in claim 67, wherein the reflective layer bears non-reflective indicia.

77. (Previously presented) An article as claimed in claim 76, wherein the ratio of the pitch of the dots to the pitch of the indicia is in the range of about 1:5 to about 1:2.

78. (Previously presented) An article as claimed in claim 64, wherein the raised print image is a pattern of lines.

79. (Previously presented) An article as claimed in claim 78, wherein the pattern of lines is a series of regularly spaced substantially parallel lines.

80. (Previously presented) An article as claimed in claim 79, wherein the reflective layer bears non-reflective indicia.

81. (Previously presented) An article as claimed in claim 80, wherein the ratio of the pitch of the lines to the pitch of the indicia is in the range of about 1:5 to about 1:2.

82. (Previously presented) An article as claimed in claim 64, wherein the article is selected from the group consisting of passports, bonds, banknotes, security passes, and security devices.

83. (New) A method of producing an article comprising the steps of applying a smooth highly reflective layer to a substrate, said reflective layer having a reflectivity of at least 60 gloss units, and printing a raised printed image on the reflective layer, at least part of said raised printed image having a height of at least 10 μm and being printed using ink having

properties which render it substantially transparent or translucent while causing scattering of the light reflectance and transmittance such that the ink reflects light in at least a partially specular manner, wherein the raised printed image is visible at angles within a window of high reflection and substantially non-detectable outside the window, and wherein the transparent or translucent ink contains less than 2% pigment by weight.

84. (New) The method of claim 83, wherein the ink has a haze value of about 60 to 98 as measured on an XL 211 Hazegard haze measuring instrument and an ink thickness of about 15 microns.

85. (New) The method of claim 83, wherein the haze value is about 85 to 95.

86. (New) The method of claim 83, wherein the smooth highly reflective layer is applied by a printing process.

87. (New) The method of claim 86, wherein the smooth highly reflective layer is applied to a specific region of the substrate and the method further comprises printing a remaining portion of the substrate by the same printing process as used to print the smooth highly reflective layer.

88. (New) The method of claim 86, wherein the reflective layer is about 3 microns thick.

89. (New) The method of claim 83, wherein the smooth highly reflective layer is reflective foil applied to the substrate.

90. (New) The method of claim 83, wherein the substrate is a smooth surfaced polymer film.

91. (New) The method of claim 83, wherein the raised printed image is a pattern of raised dots.

92. (New) The method of claim 91, wherein the pattern of raised dots is a regular array of spaced dots.

93. (New) The method of claim 92, wherein the reflective substrate bears non-reflective indicia.

94. (New) The method of claim 93 wherein the ratio of the pitch of the dots to the pitch of the indicia is in the range of about 1:5 to about 1:2.

95. (New) The method of claim 83, wherein the raised printed image is a pattern of lines.

96. (New) The method of claim 95, wherein the pattern of lines is a series of regularly spaced substantially parallel lines.

97. (New) The method of claim 96, wherein the reflective substrate bears non-reflective indicia.

98. (New) The method of claim 97, wherein the ratio of the pitch of the lines to the pitch of the indicia is in the range of about 1:5 to about 1:2.

99. (New) The method claimed in claim 83, wherein the article is selected from the group consisting of passports, bonds, banknotes, security passes and security devices.